```
EEEEEEEEEEEEEEEE  DDDDDDDDDD      TTTTTTTTTTTTTTT
EEEEEEEEEEEEEEEEE  DDDDDDDDDD      TTTTTTTTTTTTTTT
EEEEEEEEEEEEEEEEE  DDDDDDDDDD      TTTTTTTTTTTTTTT
EEE              DDD      DDD          TTT
EEE              DDD      DDD          TTT
EEE              DDD      DDD          TTT
EEE              DDD      DDD          TTT
EEE              DDD      DDD          TTT
EEEEEEEEEEEEE    DDD      DDD          TTT
EEEEEEEEEEEEE    DDD      DDD          TTT
EEEEEEEEEEEE     DDD      DDD          TTT
EEE              DDD      DDD          TTT
EEE              DDD      DDD          TTT
EEE              DDD      DDD          TTT
EEE              DDD      DDD          TTT
EEE              DDD      DDD          TTT
EEEEEEEEEEEEEEEE  DDDDDDDDDD          TTT
EEEEEEEEEEEEEEEE  DDDDDDDDDD          TTT
EEEEEEEEEEEEEEEE  DDDDDDDDDD          TTT
```

EXE

Mod

ED
ED
ED
ED
ED
ED
ED
ED
ED
ED
ED
ED
ED
ED
ED
ED
ED
ED
ED
SYS
LBR
LIE

```
WW      WW  FFFFFFFFFF  BBBBBBBB      000000    TTTTTTTTTT  TTTTTTTTTT    000000    MM       MM
WW      WW  FFFFFFFFFF  BBBBBBBB      000000    TTTTTTTTTT  TTTTTTTTTT    000000    MM       MM
WW      WW  FF          BB      BB  00      00      TT          TT      00      00  MMMM   MMMM
WW      WW  FF          BB      BB  00      00      TT          TT      00      00  MMMM   MMMM
WW      WW  FF          BB      BB  00      00      TT          TT      00      00  MM MM MM MM
WW      WW  FFFFFFFF    BBBBBBBB    00      00      TT          TT      00      00  MM   MM   MM
WW      WW  FFFFFFFF    BBBBBBBB    00      00      TT          TT      00      00  MM        MM
WW  WW  WW  FF          BB      BB  00      00      TT          TT      00      00  MM        MM
WW  WW  WW  FF          BB      BB  00      00      TT          TT      00      00  MM        MM
WWWW  WWWW  FF          BB      BB  00      00      TT          TT      00      00  MM        MM
WWWW  WWWW  FF          BB      BB  00      00      TT          TT      00      00  MM        MM
WW      WW  FF          BBBBBBBB      000000        TT          TT        000000    MM        MM
WW      WW  FF          BBBBBBBB      000000        TT          TT        000000    MM        MM
```

```
LL             IIIIII     SSSSSSSS
LL             IIIIII     SSSSSSSS
LL               II     SS
LL               II     SS
LL               II     SS
LL               II       SSSSSS
LL               II       SSSSSS
LL               II             SS
LL               II             SS
LL               II             SS
LL               II             SS
LLLLLLLLLL     IIIIII     SSSSSSSS
LLLLLLLLLL     IIIIII     SSSSSSSS
```

```
    1   0001   0  %TITLE 'EDT$WFBOTTOM - bottom of buffer'
    2   0002   0  MODULE EDT$WFBOTTOM (                              ! Move to bottom of current buffer
    3   0003   0              IDENT = 'V04-000'                      ! File: WFBOTTOM.BLI Edit: JBS1008
    4   0004   0              ) =
    5   0005   1  BEGIN
    6   0006   1
    7   0007   1  !****************************************************************************
    8   0008   1  !*                                                                          *
    9   0009   1  !*   COPYRIGHT (c) 1978, 1980, 1982, 1984 BY                                *
   10   0010   1  !*   DIGITAL EQUIPMENT CORPORATION, MAYNARD, MASSACHUSETTS.                 *
   11   0011   1  !*   ALL RIGHTS RESERVED.                                                   *
   12   0012   1  !*                                                                          *
   13   0013   1  !*   THIS SOFTWARE IS FURNISHED UNDER A LICENSE AND MAY BE USED AND COPIED  *
   14   0014   1  !*   ONLY IN  ACCORDANCE WITH  THE  TERMS  OF  SUCH  LICENSE  AND WITH THE  *
   15   0015   1  !*   INCLUSION OF THE ABOVE COPYRIGHT NOTICE. THIS SOFTWARE OR  ANY  OTHER  *
   16   0016   1  !*   COPIES THEREOF MAY NOT BE PROVIDED OR OTHERWISE MADE AVAILABLE TO ANY  *
   17   0017   1  !*   OTHER PERSON.  NO TITLE TO AND OWNERSHIP OF  THE  SOFTWARE IS  HEREBY  *
   18   0018   1  !*   TRANSFERRED.                                                           *
   19   0019   1  !*                                                                          *
   20   0020   1  !*   THE INFORMATION IN THIS SOFTWARE IS  SUBJECT TO CHANGE WITHOUT NOTICE  *
   21   0021   1  !*   AND  SHOULD  NOT  BE  CONSTRUED AS  A COMMITMENT BY DIGITAL EQUIPMENT  *
   22   0022   1  !*   CORPORATION.                                                           *
   23   0023   1  !*                                                                          *
   24   0024   1  !*   DIGITAL ASSUMES NO RESPONSIBILITY FOR THE USE  OR  RELIABILITY OF ITS  *
   25   0025   1  !*   SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.                *
   26   0026   1  !*                                                                          *
   27   0027   1  !*                                                                          *
   28   0028   1  !****************************************************************************
   29   0029   1  !
   30   0030   1  !
   31   0031   1  !++
   32   0032   1  ! FACILITY:     EDT -- The DEC Standard Editor
   33   0033   1  !
   34   0034   1  ! ABSTRACT:
   35   0035   1  !
   36   0036   1  !     Move to the bottom of the current buffer.
   37   0037   1  !
   38   0038   1  ! ENVIRONMENT: Runs at any access mode - AST reentrant
   39   0039   1  !
   40   0040   1  ! AUTHOR: Bob Kushlis, CREATION DATE: October 16, 1978
   41   0041   1  !
   42   0042   1  ! MODIFIED BY:
   43   0043   1  !
   44   0044   1  ! 1-001 - Original.  DJS 23-Feb-1981.  This module was created by
   45   0045   1  !         extracting routine EDT$$WF_BOT  from module EDTWF.
   46   0046   1  ! 1-002 - Regularize headers.  JBS 16-Mar-1981
   47   0047   1  ! 1-003 - Abort on control C.  JBS 04-Jan-1982
   48   0048   1  ! 1-004 - Set a flag if control C actually aborts something.  JBS 24-May-1982
   49   0049   1  ! 1-005 - Remove EDT$$SET_WKLN.  JBS 14-Sep-1982
   50   0050   1  ! 1-006 - Check control C about once per second.   SMB 17-Sep-1982
   51   0051   1  ! 1-007 - Go back to checking control C every record. STS 20-Sep-1982
   52   0052   1  ! 1-008 - Keep TBCB_CUR_LIN accurate, for updating the select range.  JBS 28-Dec-1982
   53   0053   1  !--
   54   0054   1
```

```
 56      0055  1  %SBTTL 'Declarations'
 57      0056  1  !
 58      0057  1  ! TABLE OF CONTENTS:
 59      0058  1  !
 60      0059  1
 61      0060  1  REQUIRE 'EDTSRC:TRAROUNAM';
 62      0499  1
 63      0500  1  FORWARD ROUTINE
 64      0501  1      EDT$$WF_BOT : NOVALUE;
 65      0502  1
 66      0503  1  !
 67      0504  1  ! INCLUDE FILES:
 68      0505  1  !
 69      0506  1
 70      0507  1  REQUIRE 'EDTSRC:EDTREQ';
 71      0642  1
 72      0643  1  !
 73      0644  1  ! MACROS:
 74      0645  1  !
 75      0646  1  !      NONE
 76      0647  1  !
 77      0648  1  ! EQUATED SYMBOLS:
 78      0649  1  !
 79      0650  1  !      NONE
 80      0651  1  !
 81      0652  1  ! OWN STORAGE:
 82      0653  1  !
 83      0654  1  !      NONE
 84      0655  1  !
 85      0656  1  ! EXTERNAL REFERENCES:
 86      0657  1  !
 87      0658  1  !      In the routine
```

```
 89    0659  1  %SBTTL 'EDT$$WF_BOT  - move to bottom of buffer'
 90    0660  1
 91    0661  1  GLOBAL ROUTINE EDT$$WF_BOT                         ! Move to bottom of current buffer
 92    0662  1     : NOVALUE =
 93    0663  1
 94    0664  1  !++
 95    0665  1  ! FUNCTIONAL DESCRIPTION:
 96    0666  1  !
 97    0667  1  !     Move to the bottom of the current buffer.
 98    0668  1  !
 99    0669  1  ! FORMAL PARAMETERS:
100    0670  1  !
101    0671  1  !     NONE
102    0672  1  !
103    0673  1  ! IMPLICIT INPUTS:
104    0674  1  !
105    0675  1  !     EDT$$A_CUR_BUF
106    0676  1  !     EDT$$A_WK_BUK
107    0677  1  !
108    0678  1  ! IMPLICIT OUTPUTS:
109    0679  1  !
110    0680  1  !     EDT$$A_CUR_BUF
111    0681  1  !     EDT$$G_CC_DONE
112    0682  1  !     EDT$$A_WK_LN
113    0683  1  !
114    0684  1  ! ROUTINE VALUE:
115    0685  1  !
116    0686  1  !     NONE
117    0687  1  !
118    0688  1  ! SIDE EFFECTS:
119    0689  1  !
120    0690  1  !     NONE
121    0691  1  !
122    0692  1  !--
123    0693  1
124    0694  2     BEGIN
125    0695  2
126    0696  2     EXTERNAL ROUTINE
127    0697  2         EDT$$WF_MAKECUR : NOVALUE,
128    0698  2         EDT$$RD_NXTLN,
129    0699  2         EDT$$CHR_CC;                              ! Check for a control C
130    0700  2
131    0701  2     EXTERNAL
132    0702  2         EDT$$A_CUR_BUF : REF TBCB_BLOCK,          ! Current text buffer control block
133    0703  2         EDT$$A_WK_BUK :                          ! Pointer to current bucket
134    0704  2            REF BLOCK [WF_BUKT_SIZE, BYTE] FIELD (WFB_FIELDS),
135    0705  2         EDT$$G_CC_DONE,                          ! Set to 1 if control C actually aborts something
136    0706  2         EDT$$A_WK_LN : REF LIN_BLOCK;            ! Pointer to work line
137    0707  2
138    0708  2     LOCAL
139    0709  2         CONTROL_C,
140    0710  2         READ_STATUS;
141    0711  2
142    0712  2  !+
143    0713  2  ! Just read the last bucket in the buffer, then
144    0714  2  ! read lines until we can't read any more.
145    0715  2  !-
```

```
: 146    0716  2        EDT$$A_CUR_BUF [TBCB_CUR_BUKT] = .EDT$$A_CUR_BUF [TBCB_LAST_BUKT];
: 147    0717  2        MOVELINE (EDT$$A_CUR_BUF [TBCB_LINE_COUNT], EDT$$A_CUR_BUF [TBCB_CUR_LIN]);
: 148    0718  2        EDT$$WF_MAKECUR (.EDT$$A_CUR_BUF [TBCB_CUR_BUKT]);
: 149    0719  2        EDT$$A_CUR_BUF [TBCB_LINE_ADDR] = .EDT$$A_QK_BUK [WFB_END];
: 150    0720  2        EDT$$A_CUR_BUF [TBCB_CHAR_POS] = 0;
: 151    0721  2        EDT$$A_WK_LN = CH$PTR (.EDT$$A_WK_BUK, .EDT$$A_CUR_BUF [TBCB_LINE_ADDR]);
: 152    0722  2
: 153    0723  2        DO
: 154    0724  3            BEGIN
: 155    0725  3            READ_STATUS = EDT$$RD_NXTLN ();
: 156    0726  3
: 157    0727  3            IF .READ_STATUS
: 158    0728  3            THEN
: 159    0729  4                BEGIN
: 160    0730  4                CONTROL_C = EDT$$CHK_CC ();
: 161    0731  4
: 162    0732  4                IF .CONTROL_C THEN EDT$$G_CC_DONE = 1;
: 163    0733  4
: 164    0734  3                END;
: 165    0735  3
: 166    0736  3            END
: 167    0737  2        UNTIL (.CONTROL_C OR ( NOT .READ_STATUS));
: 168    0738  2
: 169    0739  1        END;                                          ! of routine EDT$$WF_BOT
```

```
                                                    .TITLE    EDT$WFBOTTOM EDT$WFBOTTOM - bottom of buffer
                                                    .IDENT    \V04-000\

                                                    .EXTRN    EDT$$WF_MAKECUR
                                                    .EXTRN    EDT$$RD_NXTLN, EDT$$CHK_CC
                                                    .EXTRN    EDT$$A_CUR_BUF, EDT$$A_QK_BUK
                                                    .EXTRN    EDT$$G_CC_DONE, EDT$$A_WK_LN

                                                    .PSECT    _EDT$CODE,NOWRT,  SHR,  PIC,2

                              00FC 00000            .ENTRY    EDT$$WF_BOT, Save R2,R3,R4,R5,R6,R7       ; 0661
             57 00000000G  00  9E 00002            MOVAB     EDT$$A_CUR_BUF, R7
             56           67  D0 00009            MOVL      EDT$$A_CUR_BUF, R6                         ; 0716
      04  A6      10  A6  B0 0000C            MOVW      16(R6), 4(R6)
06  A6      18  A6      06  28 00011            MOVC3     #6, 24(R6), 6(R6)                         ; 0717
             7E      04  A6  3C 00017            MOVZWL    4(R6), -(SP)                              ; 0718
      00000000G  00      01  FB 0001B            CALLS     #1, EDT$$WF_MAKECUR
             50           67  D0 00022            MOVL      EDT$$A_CUR_BUF, R0                         ; 0719
             51 00000000G  00  D0 00025            MOVL      EDT$$A_WK_BUK, R1
             60           04  A1  D0 0002C            MOVL      4(R1), -(R0)
                      0C  A0  B4 00030            CLRW      12(R0)                                    ; 0720
00000000G  00      51      60  C1 00033            ADDL3     (R0), R1, EDT$$A_WK_LN                    ; 0721
      00000000G  00      00  FB 0003B 1$:        CALLS     #0, EDT$$RD_NXTLN                          ; 0725
             53           50  D0 00042            MOVL      R0, READ_STATUS
             14           53  E9 00045            BLBC      READ_STATUS, 2$                           ; 0727
      00000000G  00      00  FB 00048            CALLS     #0, EDT$$CHK_CC                            ; 0730
             52           50  D0 0004F            MOVL      R0, CONTROL_C
             0A           52  E9 00052            BLBC      CONTROL_C, 3$                             ; 0732
      00000000G  00      01  D0 00055            MOVL      #1, EDT$$G_CC_DONE
             03           52  E8 0005C 2$:        BLBS      CONTROL_C, 4$                             ; 0737
             D9           53  E8 0005F 3$:        BLBS      READ_STATUS, 1$
```

                                                               04 00062 4$:   RET   ; 0739

; Routine Size: 99 bytes,   Routine Base: _EDT$CODE + 0000

; 170   0740 1
; 171   0741 1 !<BLF/PAGE>

EDTSWFBOTTOM   EDT$WFBOTTOM - bottom of buffer   G 4   VAX-11 Bliss-32 V4.0-742   Page   6
V04-000   EDT$$WF_BOT - move to bottom of buffer   16-Sep-1984 02:02:35   DISK$VMSMASTER:[EDT.SRC]WFBOTTOM.BLI;1 (4)
                                                                       14-Sep-1984 12:25:26

```
: 173            0742 1 END                                           ! of module EDTSWFBOTTOM
: 174            0743 1
: 175            0744 0 ELUDOM
```

;

;

:   PSECT SUMMARY

:   Name   Bytes   Attributes

: _EDTSCODE   99 NOVEC,NOWRT, RD , EXE, SHR, LCL, REL, CON, PIC,ALIGN(2)

:   Library Statistics

:   -------- Symbols --------   Pages   Processing
:   File   Total   Loaded   Percent   Mapped   Time

: _255DUA28:[EDT.SRC]EDT.L32;1   377   39   10   40   00:00.2
: _255DUA28:[EDT.SRC]PSECTS.L32;1   2   1   50   7   00:00.1

:   COMMAND QUALIFIERS

:   BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/NOTRACEBACK/LIS=LIS$:WFBOTTOM/OBJ=OBJ$:WFBOTTOM MSRC$:WFBOTTOM.BLI/UPDATE=(ENH$:WFBO
:   TTOM)

: Size: 99 code + 0 data bytes
: Run Time: 00:11.6
: Elapsed Time: 00:32.8
: Lines/CPU Min: 3848
: Lexemes/CPU-Min: 11968
: Memory Used: 77 pages
: Compilation Complete

VMSMSG
LIS

WFCOPLIN
LIS

USSTRING
LIS

WFSCOPY
LIS

WFDELLIN
LIS

WFGETBKT
LIS

WFOPNBUF
LIS

WFREABCK
LIS

WFREAFWD
LIS

WFSTRINS
LIS

WFAPPBKT
LIS

WFENDLNS
LIS

WFRESSEQ
LIS

USBUFFER
LIS

WFCLEAR
LIS

USSUBS
LIS

WFDELBKT
LIS

WFSPLBKT
LIS

WFLOCLIN
LIS

WFRBUKT
LIS

WFINSLIN
LIS

WFREACUR
LIS

WFREAINP
LIS

WFTOP
LIS

WFREPLIN
LIS

WFBOTTOM
LIS

WFECOPY
LIS